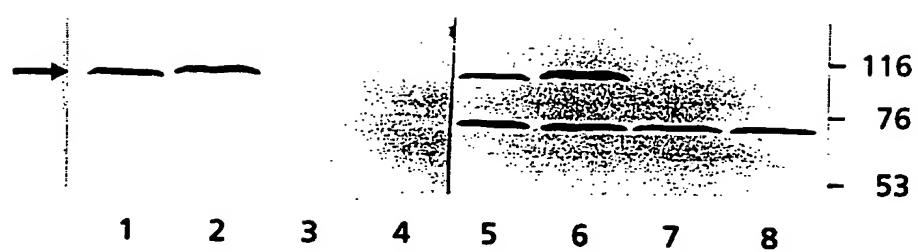


FIGURE 1



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Fig.2

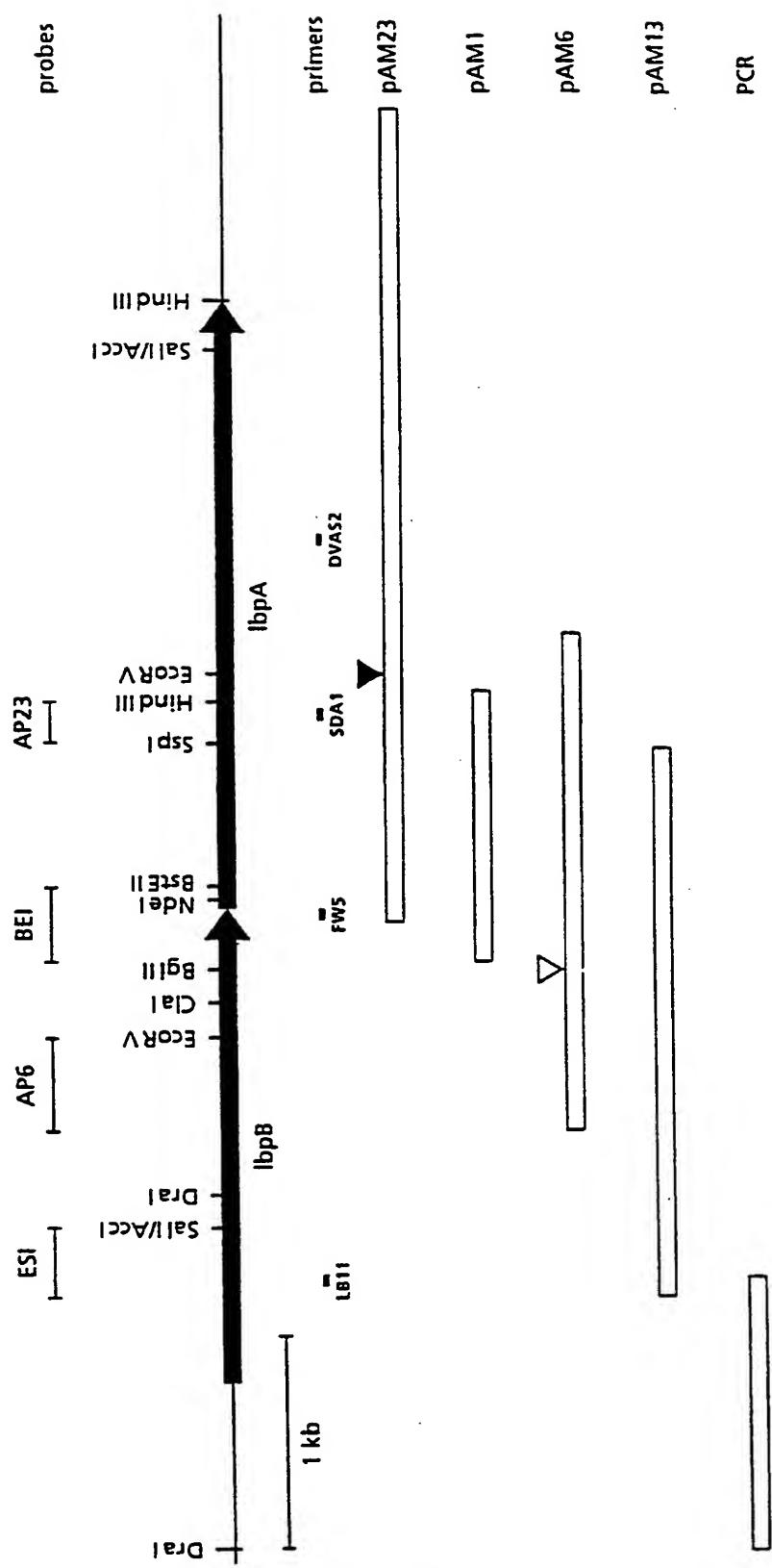


Fig.3

↓

LbpB	- MCKP--NYGGIVLLPILLASCGGNPGVQPVVESTPEAYPTFKSKDVPT -48		
TbpB	- MNNPLVNQAAMVLPVFLLSACLGG--CCSFIDLSVETVQIMHHSKPKYEDC -48		
LbpB	- PPPAKPSIETTPVNRPAVGAAMLPPIRNTAFHREDGTEIPNSKQAEELLS -98		
TbpB	- KSQPESQQDVSEMSGAAYGFAVXLPPIRRAHFNPKY-KERKHPPLGSMDWKK -97		
LbpB	- FQEGDVLFLYCSKGKNLQQLKSETHGRDSDEIRTSEKENKKYDYKFVDA -148		
TbpB	- LQRGEPNST--SERDELEKRGSSSELIESKWEQGSRVVGYT-NFTYVRS -144		
LbpB	- GIVVVVKGRDELKWTSDYKQFSNRLGTDGFVYYSGERPSPSQSLPSAGTVEYS -198		
TbpB	- GIVVYLN-KRNNDIIONNIVLF----GPDCYLYYKREPSSHELPSE-KITTK -188		
LbpB	- GIVQVYMTDA-KRHRA---GKAVGIDNLGVYTIFYQNDVGATSYRAKDIVDER -244		
TbpB	- GTWDYVTIDAMEKQRFECLGSAAAGGDKSGALSAEEGVLRNQAEASSGHTD -238		
LbpB	- EICHPAKYTVDGKTKTLTGELIKRNQYVKPSE---KQKPLTTIYNITADLNEN -291		
TbpB	- FGMTSEFEVDFSDKTTKGTLYKRNNRITQNSENQIKITTRYTIQATLHN -288		
LbpB	- RFTGSAKVNPOLAKSHANKEHLFFBADDQRLLEGFFGDKGEELAGRFLS -341		
TbpB	- RFTGKCALAA---DKGATNGSHPFT-SDSDS-LEGCFYGPKEELAGRFLS -333		
LbpB	- NDNSVFGVFAKGKQNSPVPSPGKHTKILDLSLKISVDEASGENPRPPAISPMP -391		
TbpB	- NDNKVAAVPGAKQKDRKDGNAA---GPATETVDAYRITGEELAKREQID -380		
LbpB	- DFGHPDKLLVEGHETPLVSQE----KTELADGRKMTVSACCDPLTYVKL -437		
TbpB	- SFGDVVKLLVDGVELSLLPSEGNIQAFQHEIEQNGVKATVCCSNLDYMSF -430		
LbpB	- GRIKTERPAAPKAQDEEDSDIDNGESEDEIGDEEEGTEDAAAGDECSE -487		
TbpB	- GKLSKEN----- -437		
LbpB	- EDEATENEDGEEDEAEEPEEESSAEGNGSSNAILPVPEASKGRDIDLFLK -537		
TbpB	- ----- -KDDMPLQ -444		
LbpB	- GIRTAAETNIPQTGEA--RYTGTWEARIGKPIQWDNHDKEAA--KAVFTV -583		
TbpB	- GVRTPVSDVAARTSANAKYRCTWYGYIANGTSWSGEASNQEGGNRAEFDV -494		
LbpB	- DFGRKSISGTLTEKNGVEPAFRIENGVIEANGFHATARTRDGDIDLSCQG -633		
TbpB	- DFSTKKISGTLTAKDRTSPAFTI-TAMIRKINGSGVAKTGENGFALDPQN -543		
B1			
LbpB	- STKPQIFRKANDLVEGGFYGPKAELGGIIFNNNDGKSLGTT E1 ENKVEA -683		
TbpB	- TGNSH-YTHIEATVSCGFYGNIALEMGG-----SFSPPGNA----- -578		
A1 C1 D1 E1			
LbpB	- DVDVDVDV DADAD VEOLKPEVKPQFGVVF GAKKINCEVER -725		
TbpB	- -----PEGKQEK-----SVVFGAKRQ--OLVQ -599		

FIGURE 4

-35 -10

CGGGTGATATTATCTGTACATATTAATATAATGATAATTATTATTAA

ATCAAATAGGAGGAAAAGTAGGGATGTGTAAACCGAATTATGGCGGC

FIGURE 5

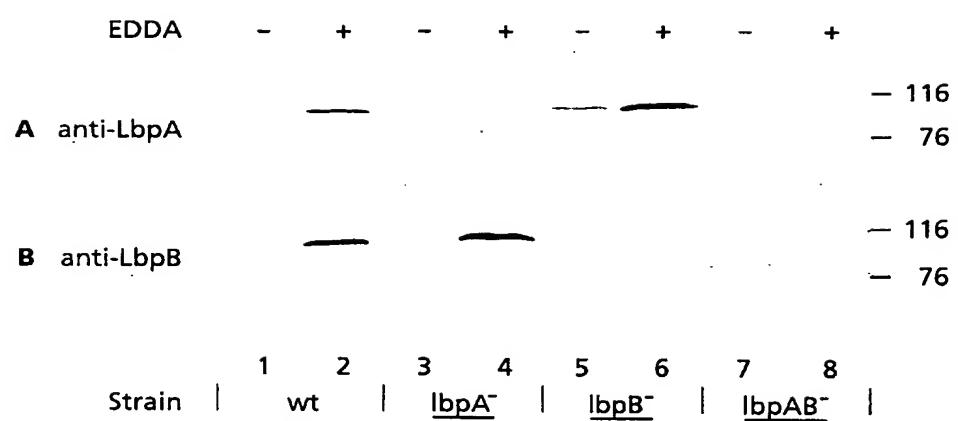


FIGURE 6

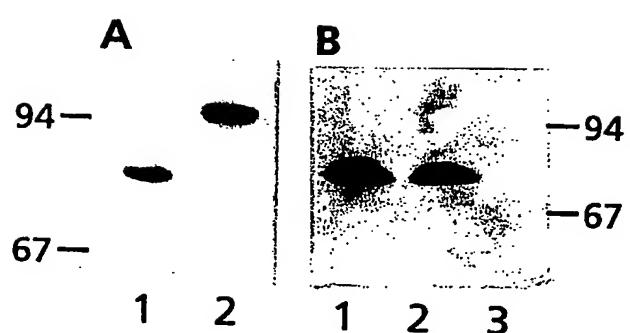


FIGURE 7

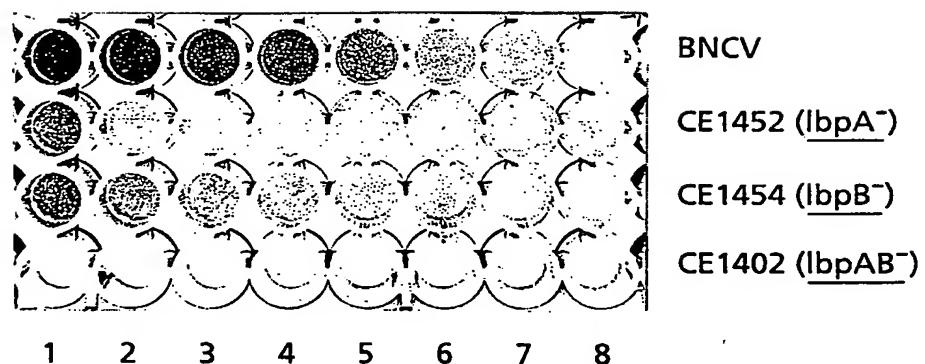


FIGURE 8

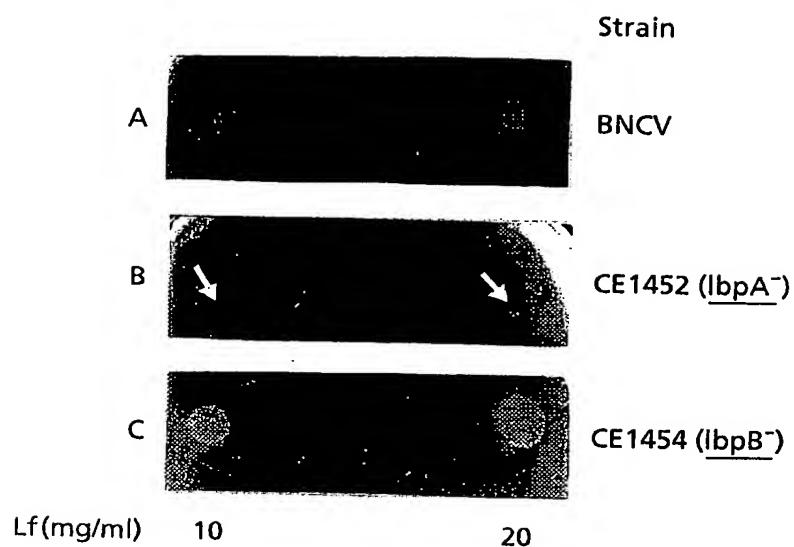


Figure 9

BNCV	MCKPNYGGIVLPLLLASCIGGNFGVQPVESTPTAYPVTFKSK-----DVPTPP	50
H44/76	MCKPNYGGIVLPLLLASCIGGNFGVQPVESTPTAYPVTFKSK-----DVPTPP	50
M990	MCKPNYGGIVLPLLLASCIGGNFGVQPVESTPTA-PTLSDSKSSNPADKAPA	54
M981	MCKPNYGGIVLPLLLASCIGGNFGVQPVESTPTAYPVTFKSK-----DVPTSP	50
881607	MCKPNYGGIVLPLLLASCIGGNFGVQPVESTPTAYPVTFKSK-----DVPTSP	50
	*****	***
BNCV	PAKPSIEITPVNR--PAVGAAMRLPRRNTAFHREDGTEIPNSKQAEELSFQEGD	103
H44/76	PAKPSIETTPVPSTGPAVGAAMRLLRRIFATSDKVGNDFPNSKQAEELSFKEGD	105
M990	PAEPSVEITPVKR--PAVGAAMRLPRRNIATFDKNGNEIPNSKQAEELYPLKEKD	107
M981	PAGSSVETTPVNQ--PAVGAAMRLLRRNTAFHREDGTAIPDSKQAEELSFKEGD	103
881607	PAGSSVETTPVNR--PAVGAAMRLLRRNIATSDKGNDFPNSKQAEELSFKEED	103
	***	***
BNCV	VLFLYGSKGNKLQQQLKSEIHKRDSDVEIRTSEKENKKYDYKFVDAGYVYVK-GKD	157
H44/76	VLFLYGSKKDKLQWLKDIIHQRNPNVEIRTSENENKKYGYEFVDAGYVYTKNGTD	160
M990	ILFLDGTPKEQADKLKEINGRHPNAPIYTSIDLKDDAYQKYKVRAGYVYTRYGTD	162
M981	VLFLYGSKENKLQQQLKSEIHKRNPPEASITTSENENKKYNYRFVSAGYVFTKNGKD	158
881607	ILFLYGSKKDQRQQQLKDIIQPNPTASITTSEKKKKYDYKFVDAGYVYTKDGKD	158
	***	***
BNCV	EIKWTSODYKQFSNRGLYDGTVYYSGERPSQSLPSAGTVEYSGNWQYMTDAKRHRA	212
H44/76	EIEWTSNRKQFSNRGYDGTVYYSGEHPQSQSLPSAGTVEYSGNWQYMTDAIRHRT	215
M990	EIEQNSGGKRVTHRLGYDGTVYYSGERPSQSLPSAGTVEYSGNWQYMTDAKRHRA	217
M981	EIEKTSDEKQFSNRGLYDGTVYYLGEHPQSQSLPSAGTVEYSGNWQYMTDAIRHRR	213
881607	EIEWTSNYKQSTNRGYDGTVYYSGEHPQSQSLPSAGTVEYSGNWQYMTDAIRHRT	213
	***	***
BNCV	GKAVG-IDNLGYTFYGVNDVGATSYAAKDVDEREKHPAKYTVDFGNKLTGELIK	266
H44/76	GKAGDPSEDLGIVYYGQNVGATSYAAKDVDEREKHPAKYTVDFDKKTLTGQLIK	270
M990	GQAVG-IDNLGYTFYGVNDVGATSYAAKDVDEREKHPAKYTVDFDNKTMNGKLIK	271
M981	GKGVS-SVLDLGYTTYYGNEIGAASYEARADADGREKHPAEYTVNFDFDKNLEGKLIK	267
881607	GKAGDPSEDLGIVYYGQNVGATSYAAKDVDEREKHPAKYTVDFDQKTLNGKLIK	268
	*	***
BNCV	NQVV--KPSEKQKPLTIYNITADLNGNRFTGSAKVNPDLA KSHANKEHLFFHADA	319
H44/76	NQVV-QKKTDEKKPLTIYDITATLDGNRFTGSAKVNT ELKTSHADKEHLFFHADA	324
M990	NQYVRNNKKDEPKKPLTIYDITAKLDGNRFTGSAKVNPD LA KNLAGNERLFFHADA	326
M981	NQVV-QKRDDPKNPLTIYDITATLDGNRFTGSAK V STEVKTQHADKEYLFFHADA	321
881607	NQVV-QKRDDPKKPLTIYDITAKLDGNRFTGSAKVN TEVKTN HADKEYLFFHADA	322
	***	***
BNCV	DQRLEGGFFGDKGEELAGR FISNDNSVFGVFA GK-----NSPVPSGKHT	364
H44/76	DQRLEGGFFGDKGEELAGR FISNDNSVFGVFA GK-KTN ASNAADTN PAMP SEKHT	378
M990	DQRLEGGFFGDN GEELAGR FISNDNSVFGVFA GK-KT ETANAADTK PAL PSGKHT	380
M981	DQRLEGGFFGDN GEELAGR FISNDNSVFGVFA GKQKT ETANAS DTN PAL PSGKHT	376
881607	DQRLEGGFFGDKGEELAGR FISNDNSVFGVFA GKQKT ETANAS DTN PAL PSGKHT	377
	*****	*****
BNCV	KILD SLK ISV DEA S GEN PR P FA I S P M P D F G H P D K L L V E G H E I P L V S Q E K T I E L A D	419
H44/76	KILD SLK ISV DEA T D K N A R P F A I S P L P D F G H P D K L L V E G R E I P L V S Q E K T I E L A D	433
M990	KILD SLK ISV DEA T D G H A R K F A I S S M P D F G H P D K L L V E G R E I P L V N E E Q I I K L A D	435
M981	KILD SLK ISV DEA T D D H A R K F A I S T M P D F G H P D K L L V E G R E I P L V N E Q I I K L A D	431
881607	KILD SLK ISV DEA S G E N P R P F E V S T M P D F G H P D K L L V E G R E I P L V N K E Q T I D L A D	432
	*****	*****

Figure 9 (continued)

BNCV	GRKMTVSACCDFLTYVKGRIKTERPAAKPKAQN-----EEDSDIDNGEES-EDEI	469
H44/76	GRKMTVRACCDFLTYVKGRIKTDPRASKPKAEDKGKDEEDTGVGNDEEGTEDEA	488
M990	GRKMTVRACCDFLTYVKGRIKTDPRASKPKAEDKGDEEEGAGVDNDEES-EDEA	489
M981	GRKMTIRACCDFLTYVKGRIKTDPRAVPKPKAQN-----EEDSDIDNGEES-EDEI	481
881607	GRKMTVRACCDFLTYVKGRIKTERPAVQPKAQNDEEGDEEGVGVDNGKES-EDEI	486
***** * *****		
BNCV	GDEEEGTEDAAAGDEGSEEDEAT---ENEDGEDEA-----EEPEEESSA	511
H44/76	AEGSEGGEDIEGDEGGGAEDDEA---ENEGGEDEA-----EEPEEEESPA	533
M990	VEDEGGEEDETSEEDNGEDEEATAEEETEEVDEAEE-----EEVEEPEEKSPA	537
M981	SEDDNGEDEVTEEEEAEETEEETDEDEEEPEETEETEETEETEETEEKSPT	536
881607	GDEESTGDEVVEDEDEDDEEEI---EEPEEEAEE-----EEPEEELPA	528
* * * * *		
BNCV	E-GNGSSNAILPVPEASKGRDIDLFLKGIRTAETNIPQTGEARYTGTWEARIGKP	565
H44/76	EGGGGGSDGILPAPEAKGRDIDLFLKGIRTAEADIPQTGKARYTGTWEARISKP	588
M990	E-GNNGSGSILPALEASKGRDIDLFLKGIRTAETDIPQSGTAHYTGTWEARIGKP	591
M981	EEGNNGSGSILPTPEASKGRDIDLFLKGIRTAEADIPQIGKARYTGTWEARIGVP	591
881607	EEGNNGSGSILPTPEASKGRDIDLFLKGIRTAEADIPKNGTAHYTGTWEARIGVS	583
* * * * *		
BNCV	-----IQWDNHADKEAAKAVFTVDFGKKSISGTLTEKNGVEPAFRIEN	608
H44/76	-----IQWDNHADKKAAKAEFDVDFGKKSISGTLTEKNGVQPAFHien	631
M990	-----IQWDNOADEKAAKAEFTVDFDKKSISGKLTEQNGVEPAFHIED	634
M981	DKKGEOQLDGTTSIQKDSYA-NQAAKAEFDVDFGAKSLSGKLTEKNDTHPAFYIEK	645
881607	D-----SGTSIQKDSYA-NQGAKAEFTVDFEAKTVSGMLTEKNDITTPAFYIEK	630
* * * * *		
BNCV	GVIEGNGFHATARTRDDGIDLQGQGSTKPQIFKANDLRVEGGFYGPKAELGGII	663
H44/76	GVIEGNGFHATARTRDNGINLSGNDSTNPPSFKANNLLVTGGFYGPQAEELGGTI	686
M990	GKIDGNGFHATARTRRESGINLSGNGSTDPKTFQASNLRVEGGFYGPQAAELGGTI	689
M981	GVIDGNGFHALARTRENGVDLQGQGSTNPQSFKASNLLVEGGFYGPQAAELGGNI	700
881607	GVIDGNGFHALARTRENGIDLQGQGSTNPKNFKADNLLVTGGFYGPQAAELGGNI	685
* * * * *		
BNCV	FNNDGKSLGITENKVEADVDVDVDADADVE-QLKP-EVKPQFGVVFGA	716
H44/76	FNNDGKSLGITEDTENEAEAEVENEAGVG-----E-QLKP-EAKPQFGVVFGA	732
M990	FNNDGKSLSITENIENEAEAEVEVEAEEVEADVGKQLEPDEVKHKFGVVFGA	744
M981	IDSDRK-----IGVVFGA	713
881607	IDSDRK-----FGAVFGA	698
* * * * *		
BNCV	KKDNKEVEK 725	
H44/76	KKDNKEVEK 741	
M990	KKDMQEVEK 753	
M981	KKDMQEVEK 722	
881607	KKDDKEATR 707	
*** *		

Fig. 10

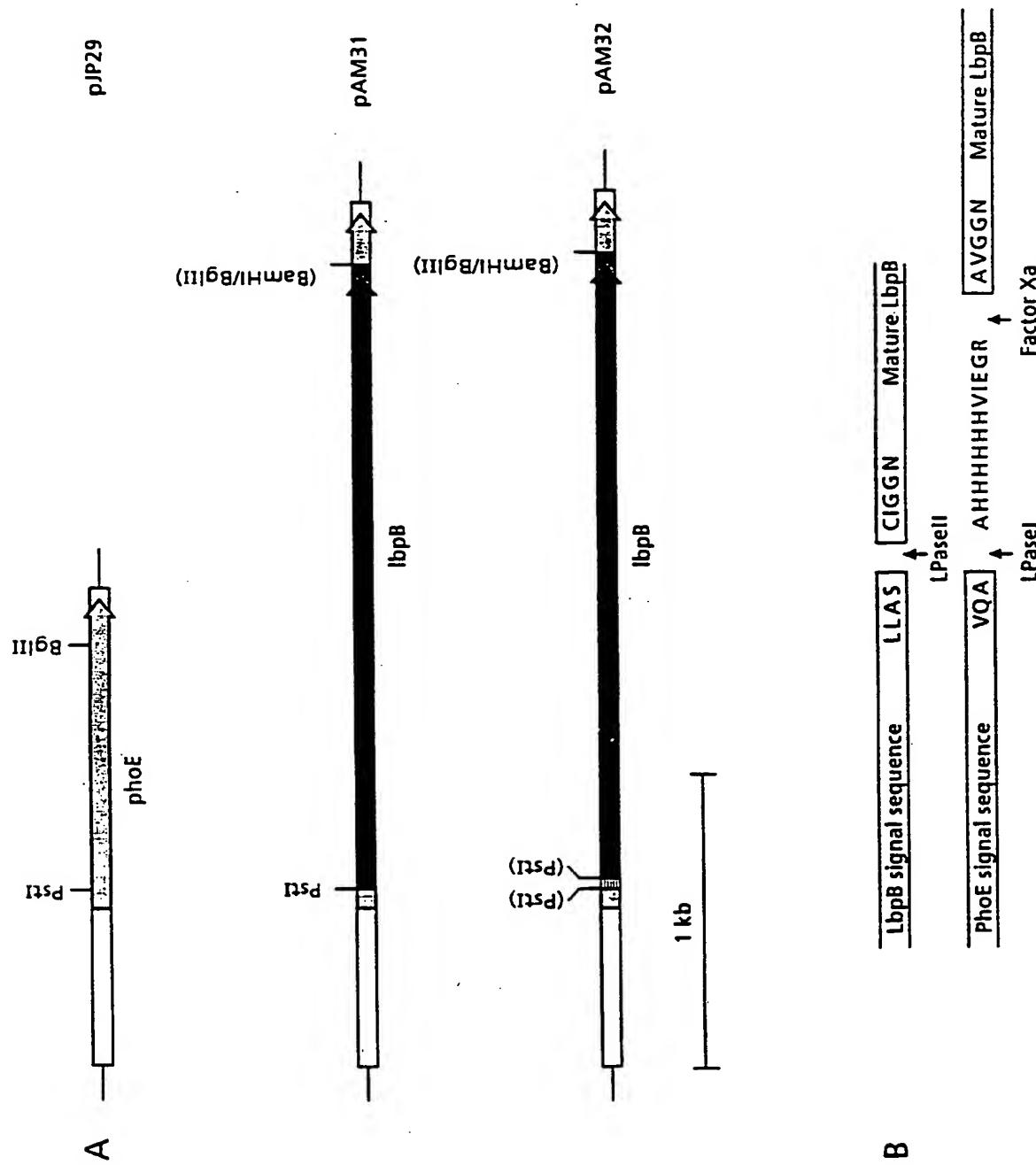


FIGURE 11

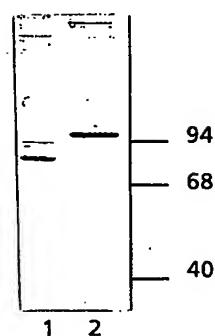


FIGURE 12

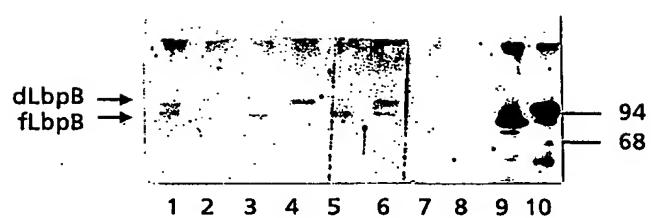


Fig. 13

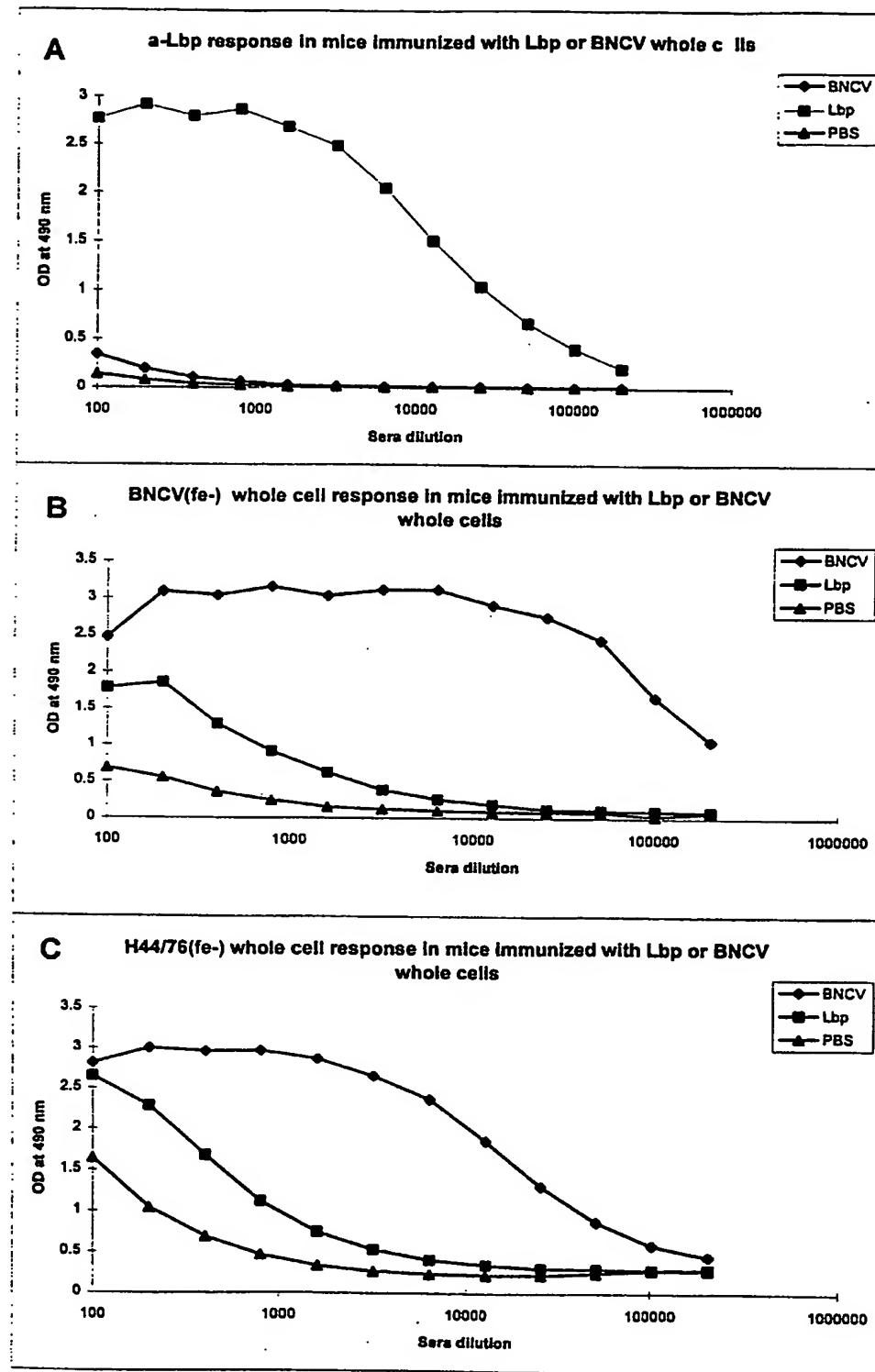


FIGURE 14

